

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L1    | 1    | ("4713749").PN.  | US-PGPUB; USPAT; USOCR                             | OR               | OFF     | 2007/01/03 16:53 |
| S1    | 3737 | ((717/124,126-128,130) or (712/227) or (714/34,45,799)).CCLS.  | US-PGPUB; USPAT; USOCR                             | OR               | OFF     | 2007/01/02 14:27 |
| S2    | 47   | (US-20040187102-\$).did. or (US-5944841-\$ or US-6185581-\$ or US-6415302-\$ or US-6424977-\$ or US-6434576-\$ or US-6434577-\$ or US-6449626-\$ or US-6854113-\$ or US-5832205-\$ or US-5926832-\$ or US-5958061-\$ or US-6199152-\$ or US-5845298-\$ or US-5938778-\$ or US-4598364-\$ or US-4879646-\$ or US-5257358-\$ or US-6075942-\$ or US-6223340-\$ or US-6021275-\$ or US-6212678-\$ or US-6161217-\$ or US-6081665-\$ or US-6118940-\$ or US-5515521-\$ or US-5764987-\$).did. or (US-5964889-\$ or US-6151618-\$ or US-6182202-\$ or US-6219830-\$ or US-6397379-\$ or US-5301302-\$ or US-5968157-\$ or US-6026237-\$ or US-6035118-\$ or US-6100887-\$ or US-6141794-\$ or US-6292883-\$ or US-6314445-\$ or US-6314563-\$ or US-6332216-\$ or US-6349377-\$ or US-6578193-\$ or US-6738967-\$ or US-6813764-\$ or US-6851112-\$).did. | US-PGPUB; USPAT                                    | OR               | ON      | 2007/01/02 14:28 |
| S3    | 11   | validat\$3 with bytecode   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/01/02 17:16 |
| S4    | 24   | validat\$3 with (bytecode byte adj code)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/01/02 14:55 |
| S5    | 58   | validat\$3 same (bytecode byte adj code)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/01/02 14:59 |

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|     |     |   |  |    |    |                  |
|-----|-----|---|--|----|----|------------------|
| S6  | 0   | validat\$3 same (bytecode byte adj code) same (trace tracing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/02 14:56 |
| S7  | 7   | validat\$3 same (bytecode byte adj code) and (trace tracing)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/02 14:59 |
| S8  | 2   | S1 and S5   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/02 14:59 |
| S9  | 359 | verif\$7 with bytecode  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/02 15:48 |
| S10 | 0   | verif\$7 with bytecode same (trace tracing)                   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/02 15:48 |
| S11 | 51  | verif\$7 with bytecode and (trace tracing)                    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/02 15:48 |
| S12 | 37  | S1 and S9   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/02 16:09 |
| S13 | 6   | S1 and S11  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/03 06:57 |

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|     |      |   |  |    |     |                  |
|-----|------|---|--|----|-----|------------------|
| S14 | 21   | (US-20050044542-\$ or US-20020170033-\$ or US-20040015873-\$ or US-20030135844-\$).did. or (US-6151618-\$ or US-5938778-\$ or US-6851112-\$ or US-7065747-\$ or US-6988261-\$ or US-6704923-\$ or US-6477702-\$ or US-6247171-\$ or US-6092147-\$ or US-6075940-\$ or US-5999731-\$ or US-5748964-\$ or US-5740441-\$ or US-5692047-\$ or US-5668999-\$ or US-6742178-\$ or US-6026237-\$).did. | US-PGPUB; USPAT                                    | OR | ON  | 2007/01/02 16:25 |
| S15 | 123  | valid adj opcode  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/01/03 07:03 |
| S16 | 3737 | ((717/124,126-128,130) or (712/227) or (714/34,45,799)).CCLS.   | US-PGPUB; USPAT; USOCR                             | OR | OFF | 2007/01/03 06:57 |
| S17 | 10   | S15 and S16   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/01/03 06:58 |
| S18 | 12   | validate near4 opcode   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/01/03 06:59 |
| S19 | 1    | valid adj opcode same (bytecode byte\$1code)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/01/03 07:04 |
| S20 | 17   | valid\$5 near (opcode operand) same (bytecode byte\$1code)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/01/03 07:05 |

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|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S21 | 1069 | verification with alignment                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 09:09 |
| S22 | 3737 | ((717/124,126-128,130) or (712/227) or (714/34,45,799)).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2007/01/03 09:09 |
| S23 | 0    | S21 and S22   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 09:09 |
| S24 | 7    | verification with alignment with instruction                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 11:55 |
| S25 | 8    | verification with alignment with boundary                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 09:09 |
| S26 | 58   | memory\$1mapped with reserved                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 11:55 |
| S27 | 0    | memory\$1mapped with reserved and bytecode                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 11:55 |
| S28 | 38   | memory\$1mapped with reserved and verif\$7                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 11:56 |
| S29 | 33   | memory\$1mapped with reserved and verif\$7 and opcode         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 11:56 |

## EAST Search History

|     |       |  |   |    |     |                  |
|-----|-------|--|---|----|-----|------------------|
| S30 | 0     | memory\$1mapped with reserved and verif\$7 with opcode   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 11:56 |
| S31 | 33    | memory\$1mapped with reserved and verif\$7 same opcode   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 11:56 |
| S32 | 25    | S26 not S31  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 11:57 |
| S33 | 22    | (US-20050044542-\$ or US-20040015873-\$ or US-20030135844-\$).did. or (US-6151618-\$ or US-5938778-\$ or US-6851112-\$ or US-7065747-\$ or US-6988261-\$ or US-6704923-\$ or US-6477702-\$ or US-6247171-\$ or US-6092147-\$ or US-6075940-\$ or US-5999731-\$ or US-5748964-\$ or US-5740441-\$ or US-5692047-\$ or US-5668999-\$ or US-6742178-\$ or US-6026237-\$ or US-6581206-\$ or US-6125441-\$).did. | US-PGPUB;<br>USPAT  | OR | ON  | 2007/01/03 14:59 |
| S34 | 15    | pass and S33   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 15:01 |
| S35 | 36139 | single adj pass  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 15:01 |
| S36 | 3737  | ((717/124,126-128,130) or (712/227) or (714/34,45,799)).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2007/01/03 15:01 |

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|-----|------|--|---|----|-----|------------------|
| S37 | 23   | S35 and S36  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 15:01 |
| S38 | 22   | (US-20050044542-\$ or<br>US-20040015873-\$ or<br>US-20030135844-\$).did. or<br>(US-7065747-\$ or US-6988261-\$ or<br>US-6851112-\$ or US-6742178-\$ or<br>US-6704923-\$ or US-6151618-\$ or<br>US-6581206-\$ or US-6477702-\$ or<br>US-6247171-\$ or US-6026237-\$ or<br>US-6125441-\$ or US-6092147-\$ or<br>US-6075940-\$ or US-5748964-\$ or<br>US-5999731-\$ or US-5938778-\$ or<br>US-5740441-\$ or US-5692047-\$ or<br>US-5668999-\$).did. | US-PGPUB;<br>USPAT  | OR | ON  | 2007/01/03 16:07 |
| S39 | 600  | arithmetic with exception  | US-PGPUB;<br>USPAT  | OR | ON  | 2007/01/03 16:07 |
| S40 | 3737 | ((717/124,126-128,130) or (712/227)<br>or (714/34,45,799)).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2007/01/03 16:07 |
| S41 | 29   | S39 and S40  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 16:08 |